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<110> Jaworski, Jan G.  
Post-Beittenmiller, Martha A.  
Todd, James

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Val	Arg	Val	Arg	Arg	Arg	Leu	Pro	Asp	Phe	Leu	Gln	Ser	Val	Asn	Leu	35	40	45	
Lys	Tyr	Val	Lys	Leu	Gly	Tyr	His	Tyr	Leu	Ile	Asn	His	Ala	Val	Tyr	50	55	60	
Leu	Ala	Thr	Ile	Pro	Val	Leu	Val	Leu	Val	Phe	Ser	Ala	Glu	Val	Gly	65	70	75	80
Ser	Leu	Ser	Arg	Glu	Glu	Ile	Trp	Lys	Lys	Leu	Trp	Asp	Tyr	Asp	Leu	85	90	95	
Ala	Thr	Val	Ile	Gly	Phe	Phe	Gly	Val	Phe	Val	Leu	Thr	Ala	Cys	Val	100	105	110	
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Leu	Ala	Arg	Lys	Ser	Gly	Lys	Phe	Asp	Glu	Glu	Thr	Leu	Gly	Phe	Lys	145	150	155	160
Lys	Arg	Ile	Leu	Gln	Ala	Ser	Gly	Ile	Gly	Asp	Glu	Thr	Tyr	Val	Pro	165	170	175	
Arg	Ser	Ile	Ser	Ser	Ser	Glu	Asn	Ile	Thr	Thr	Met	Lys	Glu	Gly	Arg	180	185	190	
Glu	Glu	Ala	Ser	Thr	Val	Ile	Phe	Gly	Ala	Leu	Asp	Glu	Leu	Phe	Glu	195	200	205	
Lys	Thr	Arg	Val	Lys	Pro	Lys	Asp	Val	Gly	Val	Leu	Val	Val	Asn	Cys	210	215	220	
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Tyr	Lys	Met	Arg	Gly	Asn	Ile	Leu	Ser	Tyr	Asn	Leu	Gly	Gly	Met	Gly	245	250	255	
Cys	Ser	Ala	Gly	Ile	Ile	Ala	Ile	Asp	Leu	Ala	Arg	Asp	Met	Leu	Gln	260	265	270	
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Lys	Ala	Ala	Asp	Asp	Arg	Ser	Phe	Arg	Ser	Val	Tyr	Gln	Glu	Glu	Asp	340	345	350	
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Gly	Gly	Glu	Ala	Leu	Lys	Thr	Asn	Ile	Thr	Thr	Leu	Gly	Pro	Leu	Val	370	375	380	
Leu	Pro	Phe	Ser	Glu	Gln	Leu	Leu	Phe	Phe	Ala	Ala	Leu	Val	Arg	Arg	385	390	395	400
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Glu	Phe	Gln	Met	Arg	Ile	Leu	Glu	Arg	Ser	Gly	Leu	Gly	Glu	Glu	Thr
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 Ser Val Glu Ala Ser Gln Met Asn Pro Asp Asp Leu Lys Gln Leu Trp  
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 Ile His Leu Gln Tyr Asn Leu Val Ser Ile Ile Cys Ser Ala Ile  
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 Leu Val Phe Gly Leu Thr Val Tyr Val Met Thr Arg Pro Arg Pro Val  
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 Pro Tyr Ala Arg Phe Met Glu His Ser Arg Leu Thr Gly Asp Phe Asp  
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 Gly Glu Asp Thr Tyr Val Pro Glu Ala Met His Tyr Val Pro Pro Arg  
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 Ile Ser Met Ala Ala Ala Arg Glu Glu Ala Glu Gln Val Met Phe Gly  
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 Ala Leu Asp Asn Leu Phe Ala Asn Thr Asn Val Lys Pro Lys Asp Ile  
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 Gly Ile Leu Val Val Asn Cys Ser Leu Phe Asn Pro Thr Pro Ser Leu  
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 Ser Ala Met Ile Val Asn Lys Tyr Lys Leu Arg Gly Asn Ile Arg Ser  
 225 230 235 240  
 Tyr Asn Leu Gly Gly Met Gly Cys Ser Ala Gly Val Ile Ala Val Asp  
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 Leu Ala Lys Asp Met Leu Leu Val His Arg Asn Thr Tyr Ala Val Val  
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 Val Ser Thr Glu Asn Ile Thr Gln Asn Trp Tyr Phe Gly Asn Lys Lys  
 275 280 285  
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 290 295 300  
 Leu Leu Ser Asn Lys Ser Arg Asp Lys Arg Arg Ser Lys Tyr Arg Leu  
 305 310 315 320  
 Val His Val Val Arg Thr His Arg Gly Ala Asp Asp Lys Ala Phe Arg  
 325 330 335  
 Cys Val Tyr Gln Glu Gln Asp Asp Thr Gly Arg Thr Gly Val Ser Leu  
 340 345 350  
 Ser Lys Asp Leu Met Ala Ile Ala Gly Glu Thr Leu Lys Thr Asn Ile  
 355 360 365

Thr	Thr	Leu	Gly	Pro	Leu	Val	Leu	Pro	Ile	Ser	Glu	Gln	Ile	Leu	Phe
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Phe	Met	Thr	Leu	Val	Val	Lys	Lys	Leu	Phe	Asn	Gly	Lys	Val	Lys	Pro
385				390						395					400
Tyr	Ile	Pro	Asp	Phe	Lys	Leu	Ala	Phe	Glu	His	Phe	Cys	Ile	His	Ala
			405						410					415	
Gly	Gly	Arg	Ala	Val	Ile	Asp	Glu	Leu	Glu	Lys	Asn	Leu	Gln	Leu	Ser
			420					425					430		
Pro	Val	His	Val	Glu	Ala	Ser	Arg	Met	Thr	Leu	His	Arg	Phe	Gly	Asn
		435					440					445			
Thr	Ser	Ser	Ser	Ser	Ile	Trp	Tyr	Glu	Leu	Ala	Tyr	Ile	Glu	Ala	Lys
	450					455					460				
Gly	Arg	Met	Arg	Arg	Gly	Asn	Arg	Val	Trp	Gln	Ile	Ala	Phe	Gly	Ser
465					470					475					480
Gly	Phe	Lys	Cys	Asn	Ser	Ala	Ile	Trp	Glu	Ala	Leu	Arg	His	Val	Lys
			485						490					495	
Pro	Ser	Asn	Asn	Ser	Pro	Trp	Glu	Asp	Cys	Ile	Asp	Lys	Tyr	Pro	Val
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Thr	Leu	Ser	Tyr												
		515													

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